

Fig. 1

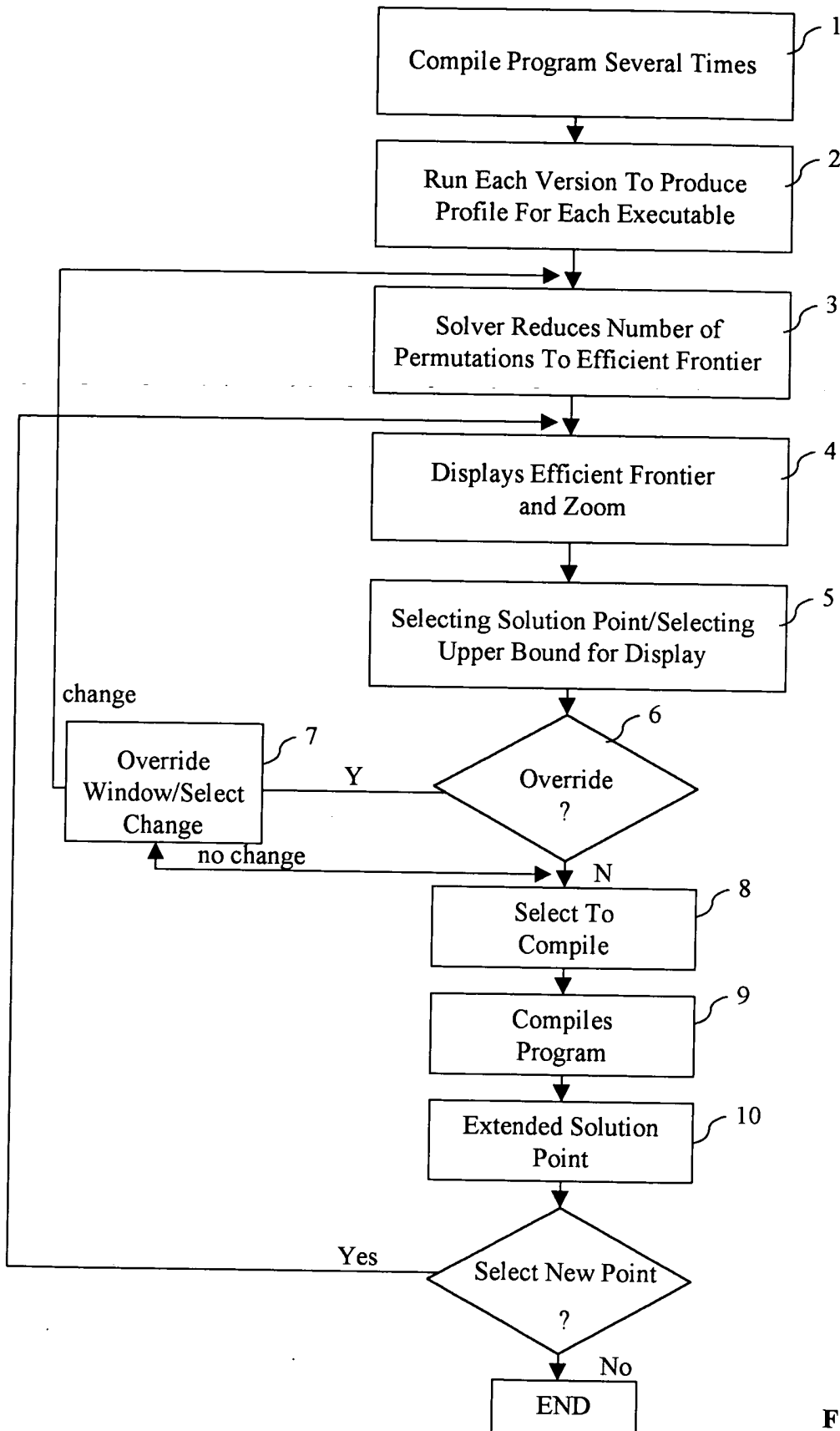


Fig. 2

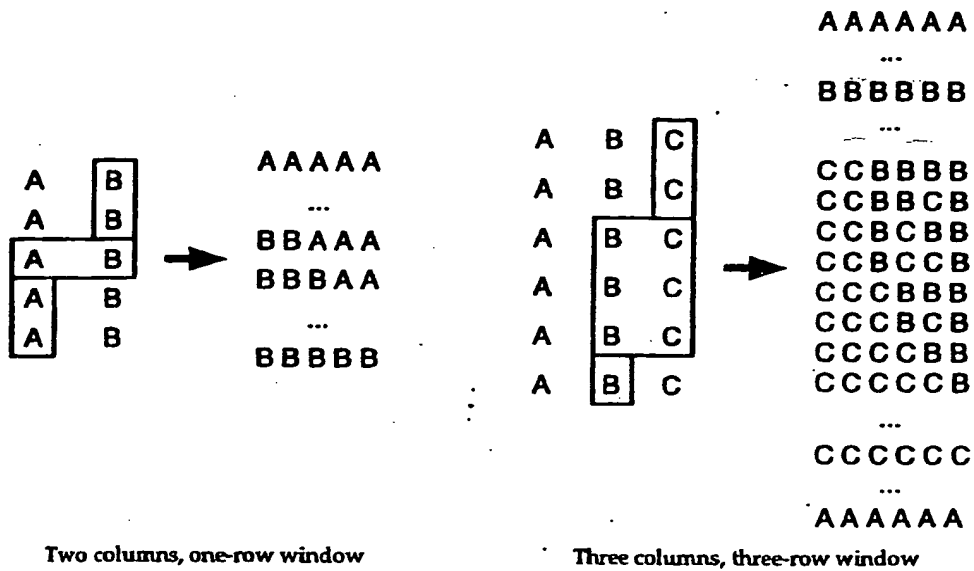


Figure 3: "Linear" Solution Generation

~~CONFIDENTIAL~~

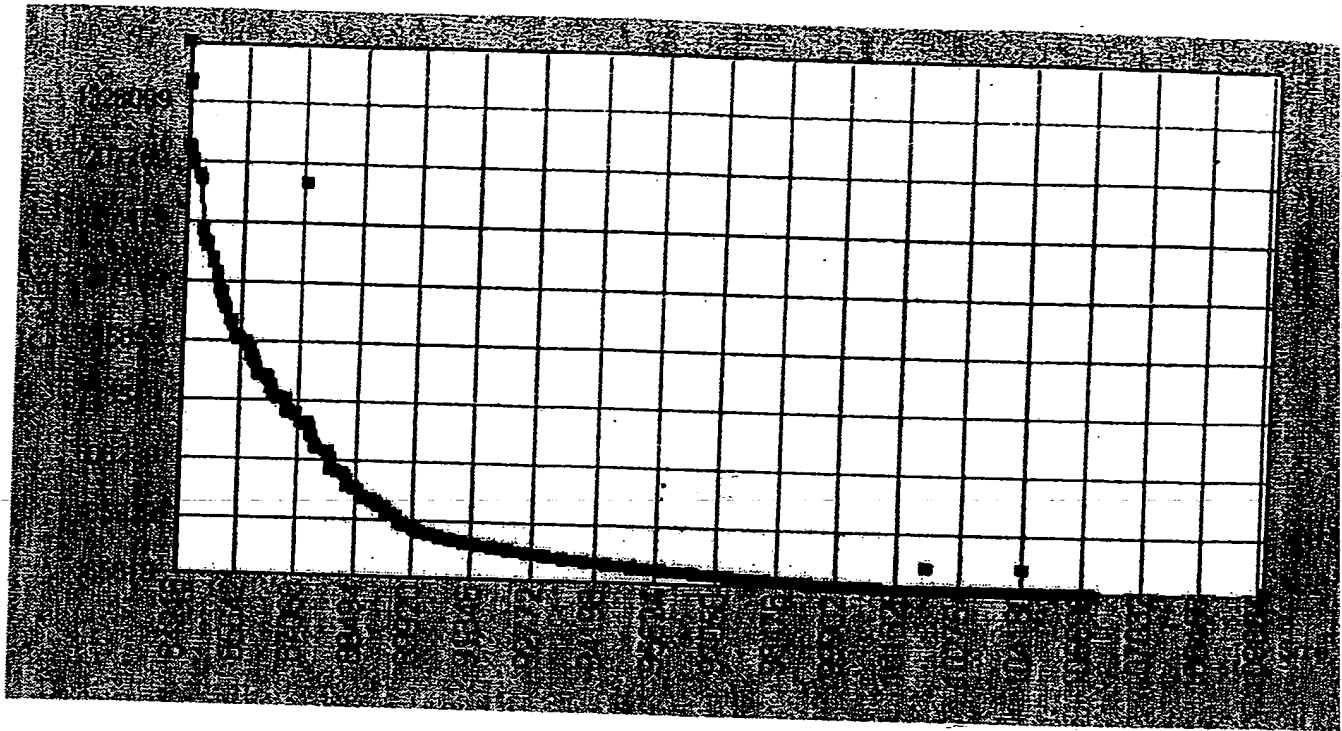


Figure 5

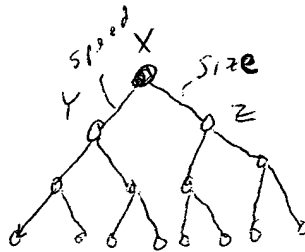


Fig 4

~~7130700~~

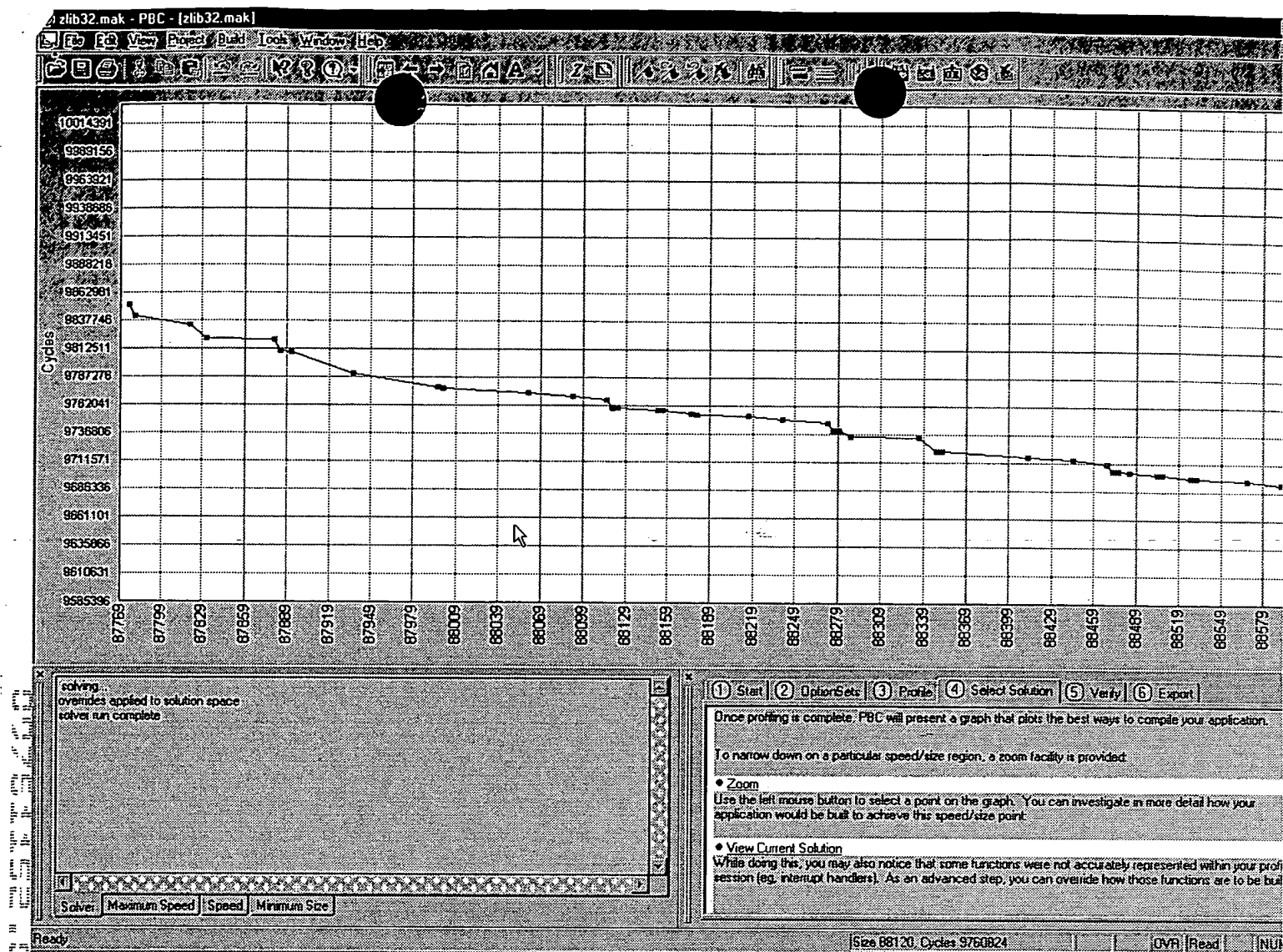


Fig. 6

Function	Cycles	Size	Options
decoder_homing_fra...	26	80	-03 -010 -ms2
rx_dlx	99	900	-03 -010 -ms3
D_plsf_5	641	1716	-03 -010 -ms3
Q_plsf_5	744	1448	-03 -010 -ms3
decoder_reset	296	368	-03 -010 -ms3
ht_lpc2	296	224	-03 -010 -ms3
Lsf_wt	770	236	-03 -010 -ms3
main	2919	1680	-03 -010 -ms3
reset_rx_dlx	274	172	-03 -010 -ms3
reset_tx_dlx	315	184	-03 -010 -ms3
Enc_lag6	242	344	-03 -010 -ms3
vad_reset	506	184	-03 -010 -ms2
ht_lnc	616	272	-03 -010 -ms3

Figure 7

gsm51.orf

Overrides

Function	OptionSet/Rule	Rule	OptionSet	Cycles	Size	Options
Init_Pre_Process	None	<input checked="" type="radio"/> Smallest <input type="radio"/> Fastest <input type="radio"/> None				
set_sign	None					
search_1040	None					
q_p	None		Maximum Speed	67480	6364	-o3 -o0
cor_h_x	None		Aggressive Speed	67864	6316	-o3 -o0 -ms0
cor_h	None		Speed	66380	6492	-o3 -o0 -ms1
build_code	None		Size	217240	5048	-o3 -o0 -ms2
code_1040_35bits	None		Minimum Size	292348	5056	-o3 -o0 -ms3
Coder_12k2	None					
Vq_subvec_s	None					
Vq_subvec	None					
Lsf_wt	None					
n_pls_5	None					

Figure 8

Estimated:		Actual:	
Cycles:	414834	Cycles:	414834
Size:	53024	Size:	53058
Unprofiled Cycles:	80458	Unprofiled Cycles:	80532
Unprofiled Size:	36388	Unprofiled Size:	36436
Total Cycles:	495292	Total Cycles:	495368
Total Size:	89412	Total Size:	89504

Function	Estimated Cycles	Estimated Size	Option Set	Profiled Cycles	Profiled Size	Delta Cycles	Delta Size
search_1040	66380	6432	Speed	66380	6516	0	24
Syn_filt	32928	744	Maximum Spe...	32928	744	0	0
Vq_subvec	25520	320	Minimum Size	25520	320	0	0
Lag_max	22404	708	Maximum Spe...	22404	708	0	0
Vq_subvec_s	19769	616	Minimum Size	19769	616	0	0
Norm_Corr	16466	1280	Maximum Spe...	16466	1280	0	0
Coder_12k2	16030	3520	Minimum Size	16030	3520	0	0

Figure 9